



## 9.10 TOWN OF GREECE

This section presents the jurisdictional annex for the Town of Greece.

### 9.10.1 Hazard Mitigation Plan Point of Contact

The following individuals have been identified as the hazard mitigation plan's primary and alternate points of contact.

Primary Point of Contact	Alternate Point of Contact
John Gauthier, Associate Engineer 1 Vince Tofany Blvd, Greece, NY 14612 585-225-2000 JGauthier@greecenyny.gov	Kirk Morris, Commissioner of Public Works 1 Vince Tofany Blvd, Greece, NY 14612 585-723-2251 KMorris@greecenyny.gov

### 9.10.2 Municipal Profile

According to the 2010 U.S. Census, the Town of Greece has a population of 96,095. The Town is located in the north-central portion of Monroe County, and it borders the City of Rochester to the east, the Town of Gates to the south, the Town of Ogden to the southwest, and the Town of Parma to the west. Lake Ontario forms the Town's northern border.

The Town of Greece is the largest town in Monroe County. It has a land areas of 47.52 square miles and a water area of 3.87 square miles. Although Lake Ontario is the most important water resource in the Town, there are also numerous streams and waterbodies. Streams include Salmon Creek, Buttonwood Creek, Larkin Creek, and the Erie Canal; and waterbodies include Braddock Bay, Cranberry Pond, Long Pond, Buck Pond, Round Pond, and Little Pond.

### Growth/Development Trends

The following table summarizes recent residential/commercial development from 2010 to the present, and lists any known or anticipated major residential/commercial development and major infrastructure development that has been identified in the next five years within the municipality. Figure 9.10-1 illustrates landslide and wildfire hazard areas and Figure 9.10-2 illustrates flood hazard areas.

**Table 9.10-1. Growth and Development**

Property or Development Name	Type (e.g. Res., Comm.)	# of Units / Structures	Location (address and/or Parcel ID)	Known Hazard Zone(s)	Description/Status of Development
<b>Recent Development from 2010 to present</b>					
Stoney Creek	Commercial	62,000 square feet 3 buildings	846 Long Pond Road	Site Adjoins FEMA AE Zone	Construction Complete and Occupied
Gardens at Town Center	Residential	176 dwelling Units, 200,000 Square Feet	100 Town Center Dr. Latta Road	FEMA AE Zone on Site	Construction Complete and Occupied
Regency	Residential	181 Residential Lots	217 Janes Road	1% Flood Plain on Site	Partially Construction Complete and Occupied
Broadstone Unity	Commercial	123,000 square feet of office space	2655 Ridgeway	FEMA AE Zone on Site	Construction Complete and Occupied
<b>Known or Anticipated Development in the Next Five (5) Years</b>					



Property or Development Name	Type (e.g. Res., Comm.)	# of Units / Structures	Location (address and/or Parcel ID)	Known Hazard Zone(s)	Description/Status of Development
Orchard View Estates	Residential	440 dwelling Units, 62 Acres	2451 Latta Road	1% Flood Plain on Site	Approved by Town and Planning Board, construction not started
Doan Dealerships	Commercial	65,000 Square Feet	4389 West Ridge Road	FEMA AE Zone on Site	Construction Underway
Greece Sr. Living	Residential	111 Residential Units	45 Mill Road	1% Flood Plain on Site	Construction Underway
Russell Station Demolition	Commercial	60 Acres	1101 Beach	FEMA AE Zone on Site	Demolition Underway, No plans presented yet for redevelopment

\* Only location-specific hazard zones or vulnerabilities identified.

### 9.10.3 Natural Hazard Event History Specific to the Municipality

Monroe County has a history of natural and non-natural hazard events as detailed in Volume I, Section 5.0, of this plan. A summary of historical events is provided in each of the hazard profiles and includes a chronology of events that have affected the County and its municipalities. For the purpose of this plan update, to the extent possible, all events that have occurred in the County were summarized to indicate the range and impact of hazard events in the community. Information regarding specific damages is included, if available, based on reference material or local sources. This information is presented in the table below. For details of these and additional events, refer to Volume I, Section 5.0, of this plan.

**Table 9.10-2. Hazard Event History**

Dates of Event	Event Type	FEMA Declaration # (If Applicable)	County Designated?	Summary of Damages/Losses
July 19, 2013	Tornado	N/A	No	A thunderstorm moving across Lake Ontario spawned a waterspout just north of Hilton, New York. The waterspout came onshore and moved across a small section of Braddock Point before moving back out over water in Braddock Bay. Onshore, the tornado downed several large trees. A home on Ontario Boulevard and several automobiles were damaged by the falling trees. Over land, the tornado path length was about a quarter of a mile, width was about ten yards, and it was ranked an EF0. Winds were estimated at 65 mph.
July 18, 2015	Intense Localized Precipitation and Flooding	N/A	No	Greece Ridge Mall experienced flooding

### 9.10.4 Hazard Vulnerabilities and Ranking



The hazard profiles in Section 5.0 of this plan have detailed information regarding each plan participant's vulnerability to the identified hazards. The following summarizes the hazard vulnerabilities and their ranking in the Town of Greece. For additional vulnerability information relevant to this jurisdiction, refer to Section 5.0.

### Hazard Risk/Vulnerability Risk Ranking

Table 9.10-3 summarizes the hazard risk/vulnerability rankings of potential hazards for the Town of Greece. The hazards of concern for the Town are those with a High hazard ranking.

**Table 9.10-3. Hazard Risk/Vulnerability Risk Ranking**

Hazard type	Estimate of Potential Dollar Losses to Structures Vulnerable to the Hazard <sup>a, c</sup>	Probability of Occurrence	Risk Ranking Score (Probability x Impact)	Hazard Ranking <sup>b</sup>
Landslide	Exposed: \$25,305,878,398	Frequent	48	High
Severe Storm	Expected Losses from Wind Alone: \$0	Frequent	48	High
Utility Failure	Damage Estimate Not Available	Frequent	36	High
Extreme Temperature	Damage Estimate Not Available	Frequent	36	High
Infestation	Damage Estimate Not Available	Frequent	36	High
Severe Winter Storm	1% Damage Loss Estimate: \$156,396,057 5% Damage Loss Estimate: \$781,980,285 10% Damage Loss Estimate: \$1,563,960,570	Frequent	36	High
Wildfire	Exposed Value in the WUI: \$6,680,631,606	Frequent	33	Low
Earthquake	100-year MRP GBS: \$1,395,588 500-year MRP GBS: \$23,966,606 2,500-year MRP GBS: \$268,605,527 Annualized: \$332,458	Frequent	30	Medium
Civil Unrest	Damage Estimate Not Available	Frequent	18	Medium
Flood	1% annual chance: \$24,949,110	Frequent	18	Medium
Terrorism	Damage Estimate Not Available	Frequent	18	Medium
Drought	Damage Estimate Not Available	Frequent	12	Low
Hazardous Materials	Damage Estimate Not Available	Frequent	12	Low

Notes:

- Building damage ratio estimates based on FEMA 386-2 (August 2001)
- The valuation of general building stock and loss estimates was based on custom inventory for the municipality.  
High = Total hazard priority risk ranking score of 31 and above  
Medium = Total hazard priority risk ranking of 15-30  
Low = Total hazard risk ranking below 15
- Loss estimates for the severe storm and severe winter storm hazards are structural values only and do not include the value of contents.
- Loss estimates for the flood and earthquake hazards represent both structure and contents.
- The HAZUS-MH earthquake model results are reported by Census Tract.

### National Flood Insurance Program (NFIP) Summary

The following table summarizes the NFIP statistics for the Town of Greece.

**Table 9.10-4. NFIP Summary**

Municipality	# Policies (1)	# Claims (Losses) (1)	Total Loss Payments (2)	# Rep. Loss Prop. (1)	# Severe Rep. Loss Prop. (1)	# Policies in the 1% Flood Boundary (3)
Greece (T)	192	63	\$384,960	1	0	62



Source: FEMA Region 2 2015

Note (1) Policies, claims, repetitive loss and severe repetitive loss statistics provided by FEMA and are current as of June 30, 2015 and are summarized by Community Name. Please note the total number of repetitive loss properties excludes the severe repetitive loss properties. The number of claims represents claims closed by 6/30/2015.

Note (2) Total building and content losses from the claims file provided by FEMA Region 2.

Note (3) The policies inside and outside of the flood zones is based on the latitude and longitude provided by FEMA Region 2 in the policy file. Number in the floodplain was determined using the 2007 Effective DFIRM 1% annual chance flood boundary.

Note (4) FEMA noted that where there is more than one entry for a property, there may be more than one policy in force or more than one GIS possibility.

### Critical Facilities

The table below presents HAZUS-MH estimates of the damage and loss of use to critical facilities in the community as a result of 1 percent and 0.2 percent annual chance flood events.

**Table 9.10-5. Potential Flood Losses to Critical Facilities**

Name	Type	Exposure		Potential Loss from 1% Flood Event		
		1% Event	0.2% Event	Percent Structure Damage	Percent Content Damage	Days to 100-Percent <sup>(2)</sup>
Greece Police Department HQ	Police	X	X	5.4	6.1	480
Greece Ridge	Communication	X	X	-	-	-
Lakeview Community Church	Religious	X	X	0	8.9	-
Island Cottage E-One Greece Pump Station	Wastewater Pump	X	X	-	-	-
Island Cottage Pump Station	Wastewater Pump	X	X	-	-	-

Source: Monroe County; HAZUS-MH 2.2; FEMA 2015

Note (1): HAZUS-MH 2.2 provides a general indication of the maximum restoration time for 100% operations. Clearly, a great deal of effort is needed to quickly restore essential facilities to full functionality; therefore this will be an indication of the maximum downtime (HAZUS-MH 2.2 User Manual).

Note (2): In some cases, a facility may be located in the DFIRM flood hazard boundary; however HAZUS did not calculate potential loss. This may be because the depth of flooding does not amount to any damages to the structure according to the depth damage function used in HAZUS for that facility type. Further, HAZUS-MH may estimate potential damage to a facility that is outside the DFIRM because the model generated a depth grid beyond the DFIRM boundaries.

X Facility located within the DFIRM boundary

- Not calculated by HAZUS-MH 2.2

### Other Vulnerabilities Identified

The municipality has identified the following vulnerabilities within their community:

- The Town has noted an increase in more frequent, high-intensity flood events.
- The Town has noted a decrease in HazMat (in transit) events due to the decline of Kodak.

### 9.10.5 Capability Assessment

This section identifies the following capabilities of the local jurisdiction:

- Planning and regulatory capabilities
- Administrative and technical capabilities
- Fiscal capability
- Community classification
- National Flood Insurance Program
- Integration of Mitigation Planning into Existing and Future Planning Mechanisms

### Planning and Regulatory Capability





Table 9.10-6 summarizes the regulatory tools that are available to the Town of Greece.

**Table 9.10-6. Planning and Regulatory Tools**

Tool / Program (code, ordinance, plan)	Do you have this? (Yes/No) If Yes, date of adoption or update	Authority (local, county, state, federal)	Dept. /Agency Responsible	Code Citation and Comments (Code Chapter, name of plan, explanation of authority, etc.)
<b>Planning Capability</b>				
Master Plan	Yes – 2001	Local	Development Services	Includes recommendations on transportation, open space, floodplain and storm water management.
Capital Improvements Plan	No			
Floodplain Management / Basin Plan	No			
Stormwater Management Plan	Yes – 2012	Local	DPW	
Open Space Plan	No			
Stream Corridor Management Plan	No			
Watershed Management or Protection Plan	Yes – 1974, 1976	Local	DPW	
Economic Development Plan	No			
Comprehensive Emergency Management Plan	Yes	County	Monroe County	Monroe County Comprehensive Emergency Management Plan-2008
Emergency Response Plan	Yes	Local	Police & DPW	
Post-Disaster Recovery Plan	No			
Transportation Plan	No			
Strategic Recovery Planning Report	No			
Other Plans:	Yes – 2014	Local/Federal	USACE	Braddock Bay Restoration
Other Plans:	Yes – 2014	Local	Town of Greece	Bicycle and Pedestrian Master Plan
<b>Regulatory Capability</b>				
Building Code	Yes	State	Technical Services	Fire Prevention and Building Construction, Chapter 114
Zoning Ordinance	Yes – 2003	Local	Development Services	Zoning Chapter 500
Subdivision Ordinance	Yes – 2003	Local	Development Services	Subdivision of Land Chapter 181
NFIP Flood Damage Prevention Ordinance	Yes	Local		Flood Damage Prevention, Chapter 117
NFIP: Cumulative Substantial Damages	No			
NFIP: Freeboard	Yes	State, Local		State mandated BFE+2 for single and two-family residential construction, BFE+1 for all other construction types
Growth Management Ordinances	No			
Site Plan Review Requirements	Yes	Local	Development Services	Town of Greece Code, Section 211-60



Tool / Program (code, ordinance, plan)	Do you have this? (Yes/No) If Yes, date of adoption or update	Authority (local, county, state, federal)	Dept. /Agency Responsible	Code Citation and Comments (Code Chapter, name of plan, explanation of authority, etc.)
Stormwater Management Ordinance	Yes	Local	DPW	Stormwater Management Chapter 176; Local Law No. 5 of the Year 2007
Municipal Separate Storm Sewer System (MS4)	Yes	State	DPW	
Natural Hazard Ordinance	Yes	Local		Coastal High-Hazard Areas, Chapter 83
Post-Disaster Recovery Ordinance	No			
Real Estate Disclosure Requirement	No			NYS mandate, Property Condition Disclosure Act, NY Code - Article 14, §460-467
Other Special Purpose Ordinances (such as sensitive areas, steep slope, etc.)	Yes	Local		Freshwater Wetlands Chapter 120

### Administrative and Technical Capabilities

The table below summarizes potential staff and personnel resources available to the Town of Greece.

**Table 9.10-7. Administrative and Technical Capabilities**

Resources	Is this in place? (Yes or No)	Department/ Agency/Position
<b>Administrative Capability</b>		
Planning Board	Yes	Development Services
Mitigation Planning Committee	No	
Environmental Board/Commission	No	
Open Space Board/Committee	Yes	Development Services/DPW
Economic Development Commission/Committee	No	
Maintenance Programs to Reduce Risk	No	
Mutual Aid Agreements	Yes	DPW/Technical Services – Between Fire Departments
<b>Technical/Staffing Capability</b>		
Planner(s) or engineer(s) with knowledge of land development and land management practices	Yes	Development Services / DPW
Engineer(s) or professional(s) trained in construction practices related to buildings and/or infrastructure	Yes	DPW
Planners or engineers with an understanding of natural hazards	Yes	Development Services / DPW
NFIP Floodplain Administrator	Yes	Technical Services
Surveyor(s)	No	
Personnel skilled or trained in GIS and/or HAZUS-MH applications	Yes	Development Services / DPW
Scientist familiar with natural hazards	No	
Emergency manager	No	
Grant writer(s)	Yes	Various Departments
Staff with expertise or training in benefit/cost analysis	No	
Professionals trained in conducting damage assessments	Yes	Town of Greece Technical Services





### Fiscal Capability

The table below summarizes financial resources available to the Town of Greece.

**Table 9.10-8. Fiscal Capabilities**

Financial Resources	Accessible or Eligible to Use (Yes/No/Don't Know)
Community Development Block Grants (CDBG, CDBG-DR)	Yes
Capital Improvements Project Funding	Yes
Authority to levy taxes for specific purposes	Yes
User fees for water, sewer, gas or electric service	No
Impact fees for homebuyers or developers of new development/homes	Yes
Stormwater utility fee	Yes
Incur debt through general obligation bonds	Yes
Incur debt through special tax bonds	Yes
Incur debt through private activity bonds	Don't know
Withhold public expenditures in hazard-prone areas	Don't know
Other federal or state funding programs	Don't know
Open Space Acquisition Funding Programs	Yes
Other	N/A

### Community Classifications

The table below summarizes classifications for community program available to the Town of Greece.

**Table 9.10-9. Community Classifications**

Program	Do you have this? (Yes/No)	Classification (if applicable)	Date Classified (if applicable)
Community Rating System (CRS)	Yes	8	Entered on 10/1/1992
Building Code Effectiveness Grading Schedule (BCEGS)	Yes	Commercial – Class 3 Residential – Class 2	-
Public Protection (ISO Fire Protection Classes 1 to 10)	Don't Know	-	-
Storm Ready	Yes	StormReady County	-
Firewise	No	NP	NP
Disaster/Safety Programs in/for Schools	Yes	N/A	N/A
Organizations with Mitigation Focus (advocacy group, non-government)	Don't Know	-	-
Public Education Program/Outreach (through website, social media)	Don't Know	-	-
Public-Private Partnerships	Don't Know	-	-

N/A = Not applicable

NP = Not participating

- = Unavailable.

The classifications listed above relate to the community's ability to provide effective services to lessen its vulnerability to the hazards identified. These classifications can be viewed as a gauge of the community's capabilities in all phases of emergency management (preparedness, response, recovery and mitigation) and are used as an underwriting parameter for determining the costs of various forms of insurance. The CRS





classification applies to flood insurance while the BCEGS and Public Protection classifications apply to standard property insurance. CRS classifications range on a scale of 1 to 10 with Class 1 being the best possible classification, and Class 10 representing no classification benefit. Firewise classifications include a higher classification when the subject property is located beyond 1000 feet of a creditable fire hydrant and is within 5 road miles of a recognized fire station.

Criteria for classification credits are outlined in the following documents:

- The Community Rating System Coordinators Manual
- The Building Code Effectiveness Grading Schedule
- The ISO Mitigation online ISO's Public Protection website at <https://www.isomitigation.com/ppc/>
- The National Weather Service Storm Ready website at <http://www.stormready.noaa.gov/become.shtml>
- The National Firewise Communities website at <http://firewise.org/>

### Self-Assessment of Capability

The table below provides an approximate measure of the Town of Greece's capability to work in a hazard-mitigation capacity and/or effectively implement hazard mitigation strategies to reduce hazard vulnerabilities.

**Table 9.10-10. Self-Assessment Capability for the Municipality**

Area	Degree of Hazard Mitigation Capability		
	Limited (If limited, what are your obstacles?)*	Moderate	High
Planning and Regulatory Capabilities			X
Administrative and Technical Capabilities		X	
Fiscal Capability		X	
Community Political Capability			X
Community Resiliency Capability		X	
Capability to Integrate Mitigation into Municipal Processes and Activities.		X	

### National Flood Insurance Program

#### NFIP Floodplain Administrator (FPA)

Director of Technical Services

#### Flood Vulnerability Summary

The Town of Greece does not maintain an inventory of properties that have been flood damaged. For this reason, the Town cannot quantify the number of structures damaged during Hurricanes Floyd, Irene, Sandy, or other severe storms. The Town has not made any substantial damage assessments, nor has it received any requests for mitigation or acquisition. The Town is not aware of any property owners interested in mitigation opportunities.

#### Resources

The Floodplain Administrator is the primary person assuming the responsibilities of floodplain administration; however, he is supported by other Town staff, as needed. Leo Carroll, Director of Technical Services, provides NFIP administration services and functions, including permit review and elevation certificate review. The Town



provides education and outreach on flood insurance programs and floodplain options through mailings and handouts.

The Floodplain Administrator does not report any barriers to running an effective floodplain management program in his community. He also believes he is adequately supported and trained to fulfill his responsibilities as the municipal floodplain manager. The Floodplain Administrator expressed interest in attending continuing education and/or certification training on floodplain management if it were offered in the County for all local floodplain administrators.

### **Compliance History**

As of June 30, 2015, 192 policies are in force, 62 of which are within the 100-yr flood boundary. There is one repetitive loss and no severe repetitive loss properties in the Town. Since 1978, 63 claims have been paid within the Town of Greece. According to the NFIP Policy Statistics report available at the time of this plan, the policies in the Town insured \$41.024 million of property with total annual insurance premiums of \$156,055.

The Floodplain Administrator is unaware of any outstanding NFIP compliance issues in the community, and the most recent Community Assistance Visit (CAV) was completed around 2009.

### **Regulatory**

The Town's Flood Damage Prevention Ordinance (FDPO) was last reviewed and updated in April 2002 and is found in Chapter 117 of the local code. Floodplain management regulations and ordinances meet the FEMA and New York State minimum requirements, and do not exceed these requirements.

There are other local ordinances, plans, and programs that support floodplain management and meeting NFIP requirements in the Town of Greece, including local ordinance 211-s9-1 E.1 (b) from the Zoning code.

### **Community Rating System**

The Town of Greece does participate in the Community Rating System (CRS) program. The Town entered CRS on October 1, 1992, and has a Class 8 rating that was effective on October 1, 2010.

### **Other Capabilities Identified**

Previous actions that are now on-going programs and capabilities are described below. Refer to Table 9.10-11 presented later in this annex.

- The Town's Technical Services and Department of Public Works (DPW) enforces government processes and provides comprehensive inspection services. Technical Services also administers the floodplain management program, while Technical Services, DPW, and Development Services maintains "Urban Forests."
- The Town's DPW maintains all public infrastructure.
- The Town's Technical Services and DPW promotes the purchase of appropriate hazard insurance policies, enforces the building codes as required, and complies with applicable federal and state regulations.

### **Integration of Hazard Mitigation into Existing and Future Planning Mechanisms**

For a community to succeed in reducing long-term risk, hazard mitigation must be integrated into the day-to-day local government operations. As part of this planning effort, each community was surveyed to obtain a better understanding of their community's progress in plan integration. A summary is provided below. In addition, the community identified specific integration activities that will be incorporated into municipal procedures.



## Planning

**Land Use Planning:** The Town of Greece has a Planning Board and Zoning Board of Appeals which review all applications for development and consider natural hazard risk areas in their review. Many development activities require additional levels of environmental review, specifically NYS State Environmental Quality Review Act (SEQR) and federal National Environmental Policy Act (NEPA) requirements. The Town is also considered an MS4-regulated community.

**Community Rating System:** The Town of Greece is a Class 8 CRS member, which results in residents receiving discounted flood insurance premiums. As part of CRS, the Town participates in additional flood management practices to reduce vulnerability. Further information on CRS is provided elsewhere in this annex.

**Community Master Plan, 2001:** The Town's most recent Community Master Plan update has the following vision: "The Town of Greece envisions itself as a physically, socially, and economically diverse community with an abundance of natural resources. It will continue to be a safe, well-maintained town that offers a variety of residential neighborhoods, as well as job opportunities, quality education, recreation, and shopping experiences. Greece's residents enjoy living, working, raising families, and retiring in the town, both now and in the future" (Town of Greece 2015).

**Braddock Bay Restoration 2014:** The U.S. Army Corps of Engineers completed a feasibility study to plan the ecosystem restoration of Braddock Bay. The Bay is located on the shore of Lake Ontario, within the Town of Greece, and is considered one of the Rochester Embayment Great Lakes Areas of Concern. The restoration was determined necessary, as wave-driven erosion has created a gradual loss of both protective barrier beaches and over 100 acres of wetlands.

**Town of Greece Bicycle and Pedestrian Master Plan, 2014:** The Town of Greece seeks to create a safer, more convenient non-motorized transportation network through the development of a Bicycle and Pedestrian Master Plan. The Plan considers the impacts of potential hazards, particularly with transportation safety. Several recommendations include infrastructure improvements, which would benefit both bicycle and car safety.

## Regulatory and Enforcement

**Coastal High-Hazard Areas Chapter 83:** The Town of Greece administers a coastal erosion program in compliance with Article 34 of NYS Environmental Conservation Law. Specifically, it establishes and enforces procedures and development to minimize or prevent structural damage from coastal flooding and erosion and to protect natural resources and protective features. These requirements only impact the Coastal Erosion Hazard Area associated with Lake Ontario.

**Fire Prevention and Building Construction Chapter 114:** The building codes are strictly enforced to ensure new and renovated buildings are prepared, as much as possible, for hazard-related incidents. The Town complies with New York State Uniform Fire Prevention and Building Code (the Uniform Code) and the State Energy Conservation Construction Code (the Energy Code).

**Flood Damage Prevention Chapter 117:** This chapter promotes the public health, safety, and general welfare of residents and seeks to minimize public and private losses due to flood conditions. The chapter regulates development to promote flood resistant structures and controls the alteration of floodplains to prevent increased vulnerability.

**Freshwater Wetlands Chapter 120:** This chapter establishes the Town's authority over any activities related to wetlands and notes that all regulations will comply with the New York Environmental Conservation Law. It specifies the Town's ability to regulate those wetlands identified in the Freshwater Wetlands Map.



**Stormwater Management Chapter 176:** The Town’s stormwater management chapter seeks to mediate the adverse impacts of stormwater runoff caused by existing drainage systems. It also serves to control the degradation of water quality in the Town.

**Subdivision of Land Chapter 181:** The Town’s Planning Board is tasked with site plan/subdivision review. The regulations for this chapter are on file in Town offices.

**Zoning Chapter 500:** The Town of Greece’s zoning code includes districts and standards pertaining to the mitigation of hazards. These sections include the Lake Ontario cluster, canal corridor overlay, and waterfront development.

### Fiscal

**Operating Budget:** The Town’s operating budget contains minimal provisions for expected repairs like snow removal and infrastructure repair after a storm or natural disaster. The Town’s public safety budget includes funding for maintenance of police headquarters, regulation of roadway traffic near schools, traffic control, Stop-Driving While Intoxicated (DWI), safety inspections, and code compliance. The Town’s home and community services budget contains funding for sanitary sewers, brush collection, and drainage systems. The Town includes special funds for drainage, sanitary sewer, and water extension.

**Capital Improvements Budget:** The Town has a five-year Capital Improvements Budget (CIP) which includes projects related to stormwater management and critical infrastructure.

### Education and Outreach

Town of Greece staff attend trainings and classes sponsored by Monroe County Department of Planning and Development, Monroe County Office of Emergency Management, or by state and federal agencies, as able and in order to meet all professional requirements. Town emergency responders also have the option to attend courses at the Monroe County Public Safety Training Facility.

The Town of Greece website contains some informational resources, including police information and a link to FEMA’s mapping service center. The Town maintains Facebook and Twitter pages, although they are not currently used for disaster preparedness information dissemination. In addition, residents have the ability to sign up for reverse 911 cell phone notifications of emergency situations through the Monroe County Emergency Communications Department.

## 9.10.6 Mitigation Strategy and Prioritization

This section discusses past mitigation actions and status, describes proposed hazard mitigation initiatives, and prioritization.

### Past Mitigation Initiative Status

Table 9.10-11 indicates progress on the community’s mitigation strategy identified in the 2011 Plan. Actions that are carried forward as part of this plan update are included in the following subsection in its own table with prioritization. Previous actions that are now ongoing programs and capabilities are indicated as such in the following table and may also be found under ‘Capability Assessment’ presented previously in this annex.



Table 9.10-11. Past Mitigation Initiative Status

<u>2010 Mitigation Action</u>	<u>Responsible Party</u>	<u>Status</u> (In progress, No progress, Complete)	<u>Describe Status</u> 1. Please describe what was accomplished and indicate % complete. 2. If there was no progress, indicate what obstacles/delays encountered? 3. If there was progress, how is/was the action being funded (e.g., FEMA HMGP grant, local budget)?	<u>Next Step</u> (Include in 2017 HMP? or Discontinue)	<u>Describe Next Step</u> 1. If including action in the 2017 HMP, revise/reword to be more specific (as appropriate). 2. If discontinue, explain why.
ES-3: Establish an active Recruitment and Retention (of providers) Program.	N/A	No Progress	N/A	Discontinued	Not applicable to Town.
ES-4: Stockpile emergency supplies.	N/A	No Progress	N/A	Discontinued	Not applicable to Town.
ES-5: Solicit “Mutual Aid” agreements.	N/A	No Progress	N/A	Discontinued	Not applicable to Town.
ES-6: Engage emergency service jurisdictions in local municipal government processes.	Fire Marshall	Ongoing	Monthly Meeting	Discontinued	Not applicable to Town.
NRP-1: Ensure proper disposal of Hazardous Waste.	N/A	No Progress	N/A	Discontinued	Not applicable to Town.
NRP-2: Enforce government permit processes. This may pertain to existing and/or new infrastructure.	Technical Services / DPW	Ongoing	Ongoing	Discontinued	Describe in 2017 HMP as ongoing operational capability
NRP-3: Provide comprehensive inspection services. This may pertain to existing and/or new infrastructure.	Technical Services / DPW	Ongoing	Ongoing	Discontinued	Describe in 2017 HMP as ongoing operational capability



<u>2010 Mitigation Action</u>	<u>Responsible Party</u>	<u>Status</u> (In progress, No progress, Complete)	<u>Describe Status</u> 1. Please describe what was accomplished and indicate % complete. 2. If there was no progress, indicate what obstacles/delays encountered? 3. If there was progress, how is/was the action being funded (e.g., FEMA HMGP grant, local budget)?	<u>Next Step</u> (Include in 2017 HMP? or Discontinue)	<u>Describe Next Step</u> 1. If including action in the 2017 HMP, revise/reword to be more specific (as appropriate). 2. If discontinue, explain why.
NRP-4: Administer a Floodplain Management Program. This may pertain to existing and/or new infrastructure.	Technical Services	Ongoing	Ongoing review of new/active projects	Discontinued	Describe in 2017 HMP as ongoing operational capability
NRP-5: Maintain "Urban Forests."	Technical Services / DPW /Development Services	Ongoing	Monthly meeting to evaluate tree health	Discontinued	Describe in 2017 HMP as ongoing operational capability
PEA-3: Review Utility Service & restoration plans.	DPW	No Progress	If needed	Discontinued	Describe in 2017 HMP as ongoing operational capability
PEA-4: Identify and utilize a "Speakers Bureau."	N/A	No Progress	N/A	Discontinued	Not applicable to Town.
PP-1: Identify "special hazard" areas.	N/A	No Progress	N/A	Discontinued	Not applicable to Town.
PP-2: Maintain public infrastructure. This may pertain to existing and/or new infrastructure.	DPW	Ongoing	Ongoing	Discontinued	Describe in 2017 HMP as ongoing operational capability
PP-3: Solicit inter-municipal and interagency cooperation.	DPW	Ongoing	Ongoing as needed	Discontinued	Describe in 2017 HMP as ongoing operational capability
PP-4: Promote purchase of appropriate hazard insurance policies. This may pertain to existing and/or new infrastructure.	Technical Services / DPW	Ongoing	Ongoing	Discontinued	Describe in 2017 HMP as ongoing operational capability



<u>2010 Mitigation Action</u>	<u>Responsible Party</u>	<u>Status</u> (In progress, No progress, Complete)	<u>Describe Status</u> 1. Please describe what was accomplished and indicate % complete. 2. If there was no progress, indicate what obstacles/delays encountered? 3. If there was progress, how is/was the action being funded (e.g., FEMA HMGP grant, local budget)?	<u>Next Step</u> (Include in 2017 HMP? or Discontinue)	<u>Describe Next Step</u> 1. If including action in the 2017 HMP, revise/reword to be more specific (as appropriate). 2. If discontinue, explain why.
PP-5: Property acquisition	N/A	No Progress	N/A	Discontinued	Not applicable to Town.
PR-1: Enforce Building Code as required for existing and new infrastructure.	Technical Services / DPW	Ongoing	Ongoing	Discontinued	Describe in 2017 HMP as ongoing operational capability
PR-2: Comply with applicable federal and state regulations.	Technical Services / DPW	Ongoing	Ongoing	Discontinued	Describe in 2017 HMP as ongoing operational capability
PR-5: Regular review of Local Laws	DPW	Ongoing	Periodic Review	Discontinued	Describe in 2017 HMP as ongoing operational capability
SP-1: Disaster “proof” public facilities. This may pertain to existing and/or new infrastructure.	N/A	Ongoing	New Police Headquarters	Discontinued	Describe in 2017 HMP as ongoing operational capability
SP-2: Secure and provide redundant critical systems and facilities. This may pertain to existing and/or new infrastructure.	N/A	Complete	N/A	Discontinued	Not applicable to Town.
SP-3: “Target Harden” facilities. This may pertain to existing and/or new infrastructure.	N/A	Complete	N/A	Discontinued	Not applicable to Town.
SP-4: Expand fiber telecommunications networks.	N/A	No Progress	N/A	Discontinued	Not applicable to Town.





<u>2010 Mitigation Action</u>	<u>Responsible Party</u>	<u>Status</u> (In progress, No progress, Complete)	<u>Describe Status</u> 1. Please describe what was accomplished and indicate % complete. 2. If there was no progress, indicate what obstacles/delays encountered? 3. If there was progress, how is/was the action being funded (e.g., FEMA HMGP grant, local budget)?	<u>Next Step</u> (Include in 2017 HMP? or Discontinue)	<u>Describe Next Step</u> 1. If including action in the 2017 HMP, revise/reword to be more specific (as appropriate). 2. If discontinue, explain why.
EPI-PR-2: Local Project. Provide HIV screening and public education (Democrat & Chronicle, 7-21-03).	N/A	No Progress	N/A	Discontinued	Not applicable to Town.
Fire-PP-1: Encourage residential use of smoke detectors through public education, and “give away” programs. This may pertain to existing and/or new infrastructure.	Fire Marshall	Ongoing	Ongoing	Discontinued	Describe in 2017 HMP as ongoing operational capability
Fire-SP-1: Local Project. Plan, design and develop enhanced, local facilities for on-site specialized emergency training.	N/A	No Progress	N/A	Discontinued	Not applicable to Town.
FI-ES-1: Provide Special Operations and Tactical Rescue training including water rescue training	Fire Department	Ongoing	Ongoing	Discontinued	Describe in 2017 HMP as ongoing operational capability
FI-PEA-1: Provide information about the Erie Canal and its spillway locations	N/A	No Progress	N/A	Discontinued	Not applicable to Town.
FI-PP-1: Encourage affected property owners to purchase Flood Insurance. This may pertain to existing and/or new infrastructure.	Tech Serv/DPW	Ongoing	Frequent Advertisint	Discontinued	Describe in 2017 HMP as ongoing operational capability
FI-PP-2: Participate in the federal Community Rating System. This may pertain to existing and/or new infrastructure.	N/A	Ongoing	Working to reduce rating	Discontinued	Describe in 2017 HMP as ongoing operational capability
FI-PP-5: Local Projects with the U.S. Army Corps of Engineers, “Risk Management Program.” Levy inspection, safety analysis and maintenance requirements (SEMO Region V meeting, 7.29.08).	N/A	No Progress	N/A	Discontinued	Not applicable to Town.





<u>2010 Mitigation Action</u>	<u>Responsible Party</u>	<u>Status</u> (In progress, No progress, Complete)	<u>Describe Status</u> 1. Please describe what was accomplished and indicate % complete. 2. If there was no progress, indicate what obstacles/delays encountered? 3. If there was progress, how is/was the action being funded (e.g., FEMA HMGP grant, local budget)?	<u>Next Step</u> (Include in 2017 HMP? or Discontinue)	<u>Describe Next Step</u> 1. If including action in the 2017 HMP, revise/reword to be more specific (as appropriate). 2. If discontinue, explain why.
FI-PR-1: Implement an annual, "Waterway/Drainage Maintenance" Program	N/A	Completed	CRS MS4 Permit	Discontinued	Describe in 2017 HMP as ongoing operational capability
FI-PR-6: Local Project. Town of Greece drainage study on Fleming and Veness creeks between Latta Road, Windsor Blvd., Denise Road and Dewey Ave. (Democrat & Chronicle, 1.3.10).	DPW	Design Complete	Awaiting Funding	Discontinue	Complete
FI-SP-1: Local Project. Implement mitigation measures for Irondequoit Creek, as identified by the U.S. Army Corps of Engineer's 2003 proposal, and as agreed by local parties. (reference – Democrat & Chronicle, 3-2-03). This may pertain to existing and/or new infrastructure.	N/A	No Progress	N/A	Discontinued	Not applicable to Town.
FI-SP-2: Local Project. Implement municipal mitigation measures identified by USGS modeling, proposed by the Storm Water Coalition and agreed by local parties. This may pertain to existing and/or new infrastructure.	N/A	No Progress	N/A	Discontinued	Not applicable to Town.
Ice-ES-1: Develop a strategy to reduce the time it takes to clear streets (Rights-of-Way) of debris	Various	Completed/Ongoing	Rapid Response/Dispatch 24h	Discontinued	Describe in 2017 HMP as ongoing operational capability
Ice-ES-2: Regularly review restoration priorities	N/A	No Progress	N/A	Discontinued	Not applicable to Town.



<u>2010 Mitigation Action</u>	<u>Responsible Party</u>	<u>Status</u> (In progress, No progress, Complete)	<u>Describe Status</u> 1. Please describe what was accomplished and indicate % complete. 2. If there was no progress, indicate what obstacles/delays encountered? 3. If there was progress, how is/was the action being funded (e.g., FEMA HMGP grant, local budget)?	<u>Next Step</u> (Include in 2017 HMP? or Discontinue)	<u>Describe Next Step</u> 1. If including action in the 2017 HMP, revise/reword to be more specific (as appropriate). 2. If discontinue, explain why.
Ice-ES-3: Enhance utility “Town Liaison” Program	Various	Ongoing	Interagent/municipality problem specific	Discontinued	Describe in 2017 HMP as ongoing operational capability
Ice-PEA-2: Develop alternate communications plan	N/A	Complete	2-way radios	Discontinued	Describe in 2017 HMP as ongoing operational capability
Ice-PEA-3: Provide automated utility restoration schedule to the public	N/A	No Progress	N/A	Discontinued	Not applicable to Town.
Ice-PEA-4: Provide more public outreach during an emergency	N/A	No Progress	N/A	Discontinued	Not applicable to Town.
Ice-PEA-5: Expand utility Customer Service capacity	N/A	No Progress	N/A	Discontinued	Not applicable to Town.
Ice-PEA-6: Expand information available on websites	N/A	No Progress	N/A	Discontinued	Not applicable to Town.
Ice-PP-1: Encourage installation of backup power supply. This may pertain to existing and/or new infrastructure.	DPW	Ongoing	Advertisement of outdoor only use of generators	Discontinued	Describe in 2017 HMP as ongoing operational capability
Ice-PR-1: Implement an “Annual, Tree/Stream Maintenance Program”	DPW	Ongoing	Seasonal trimmings, ”trouble spots” preventative maintenance	Discontinued	Describe in 2017 HMP as ongoing operational capability



<u>2010 Mitigation Action</u>	<u>Responsible Party</u>	<u>Status</u> (In progress, No progress, Complete)	<u>Describe Status</u> 1. Please describe what was accomplished and indicate % complete. 2. If there was no progress, indicate what obstacles/delays encountered? 3. If there was progress, how is/was the action being funded (e.g., FEMA HMGP grant, local budget)?	<u>Next Step</u> (Include in 2017 HMP? or Discontinue)	<u>Describe Next Step</u> 1. If including action in the 2017 HMP, revise/reword to be more specific (as appropriate). 2. If discontinue, explain why.
Ice-PR-2: Relocate vulnerable utilities. This may pertain to existing and/or new infrastructure.	N/A	No Progress	N/A	Discontinued	Not applicable to Town.
Ice-PR-3: Develop DPW/DOT Plans for debris clearance, removal, and disposal	N/A	No Progress	N/A	Discontinued	Not applicable to Town.
Ice-PR-4: Lobby state and federal officials to require permanent installation of emergency generators on-site at health care facilities and elderly housing facilities. This may pertain to existing and/or new infrastructure.	N/A	No Progress	N/A	Discontinued	Not applicable to Town.
Ice-SP-1: Install permanent backup power supply at public facilities. This may pertain to existing and/or new infrastructure.	Varied	Ongoing	All critical buildings have backup power supplies (inc. new police HQ)	Discontinued	Describe in 2017 HMP as ongoing operational capability
Land-PEA-1: Local Project. Promote understanding and use of (telephone number) 811, "Call Before You Dig."	N/A	No Progress	N/A	Discontinued	Not applicable to Town.
Land-PR-1: Local Project. Enact Local Laws: to restrict development on steep slopes; to require property owners and/or mine operators to rehabilitate open mines at closing. This may pertain to existing and/or new infrastructure.	N/A	No Progress	N/A	Discontinued	Not applicable to Town.



<u>2010 Mitigation Action</u>	<u>Responsible Party</u>	<u>Status</u> (In progress, No progress, Complete)	<u>Describe Status</u> 1. Please describe what was accomplished and indicate % complete. 2. If there was no progress, indicate what obstacles/delays encountered? 3. If there was progress, how is/was the action being funded (e.g., FEMA HMGP grant, local budget)?	<u>Next Step</u> (Include in 2017 HMP? or Discontinue)	<u>Describe Next Step</u> 1. If including action in the 2017 HMP, revise/reword to be more specific (as appropriate). 2. If discontinue, explain why.
SC-PR-1: Local Project. Enact Local Laws that require property owners to demolish and remove unsafe structures from their property(ies). This may pertain to existing and/or new infrastructure.	Buildings	Ongoing	Zombie Home Prevention, Renewable Bond (2016)	Discontinued	Describe in 2017 HMP as ongoing operational capability
Terr-PP-1: Implement a strategy to “target harden” critical and public facilities. This may pertain to existing and/or new infrastructure.	N/A	No Progress	N/A	Discontinued	Not applicable to Town.
Terr-PR-1: Provide intelligence to local authorities about legal surveillance and threat assessment activities.	N/A	No Progress	N/A	Discontinued	Not applicable to Town.
Terr-PR-2: Review emergency plans for public facilities to ensure that appropriate measures are considered and referenced	N/A	No Progress	N/A	Discontinued	Not applicable to Town.
Terr-PR-3: Schools Project. Comply with Project Save regulations for plan review and revision cycles.	N/A	No Progress	N/A	Discontinued	Not applicable to Town.
Trans-PEA-1: Local Project. Provide traffic reports through the local broadcasters	N/A	Ongoing	Continual involvement of local channels (WHAM)	Discontinued	Describe in 2017 HMP as ongoing operational capability
Trans-PEA-2: Local Project. Provide construction information and project status on sites that impact traffic	N/A	Ongoing	Messaging boards on roads, letters to residents	Discontinued	Describe in 2017 HMP as ongoing operational capability



<u>2010 Mitigation Action</u>	<u>Responsible Party</u>	<u>Status</u> (In progress, No progress, Complete)	<u>Describe Status</u> 1. Please describe what was accomplished and indicate % complete. 2. If there was no progress, indicate what obstacles/delays encountered? 3. If there was progress, how is/was the action being funded (e.g., FEMA HMGP grant, local budget)?	<u>Next Step</u> (Include in 2017 HMP? or Discontinue)	<u>Describe Next Step</u> 1. If including action in the 2017 HMP, revise/reword to be more specific (as appropriate). 2. If discontinue, explain why.
Util-ES-1: Local Projects. Provide power back-up supply for municipal fueling stations. This may pertain to existing and/or new infrastructure.	N/A	Ongoing	N/A	Discontinued	Describe in 2017 HMP as ongoing operational capability
Util-PP-1: Local Utilities Project. Preserve capacity to generate local power and enhance the ability to segregate local supply from the national power grid during major failures, e.g. August 14, 2003. This may pertain to existing and/or new infrastructure.	N/A	No Progress	N/A	Discontinued	Not applicable to Town.
WSC-PR-1: Provide redundant back-up power supply for public supply treatment facilities and system pump stations. This may pertain to existing and/or new infrastructure.	N/A	No Progress	N/A	Discontinued	Not applicable to Town.



### Completed Mitigation Initiatives not Identified in the Previous Mitigation Strategy

The Town of Greece has identified the following mitigation projects/activities that have also been completed but were not identified in the previous mitigation strategy in the 2011 Plan:

- None noted

### Proposed Hazard Mitigation Initiatives for the Plan Update

FEMA Region II led a meeting for all Monroe County municipalities in November 2015 to discuss the purpose, goals, and long term benefits of identifying mitigation actions to include in the updated HMP. FEMA provided handouts on creating a functionally diverse jurisdictional planning team, guidance for identifying integration actions, and guidelines for completing an action worksheet for jurisdictions to use as a resource as part of their comprehensive review of all possible activities and mitigation measures to address their hazards.

Additionally, Monroe County hosted two Annex Workshops in December 2015 to assist municipalities in completing their jurisdictional annexes, including identifying mitigation projects and developing Action Worksheets. All jurisdictions were provided with a set of sample mitigation actions that satisfied County goals of addressing all hazards and representing all six CRS categories, along with a refresher instruction sheet on how to complete an action worksheet, and an example of a completed action worksheet.

In January 2016, Monroe County jurisdictions were provided with the results of the municipal risk assessment to further assist them in the development of their mitigation strategy. Throughout the planning process, jurisdictions had access to mitigation planners who were available to assist with the development of the jurisdictional annexes, including the mitigation strategy and action worksheets, as necessary.

Table 9.10-12 summarizes the comprehensive-range of specific mitigation initiatives the Town of Greece would like to pursue in the future to reduce the effects of hazards. Some of these initiatives may be previous actions carried forward for this plan update. These initiatives are dependent upon available funding (grants and local match availability) and may be modified or omitted at any time based on the occurrence of new hazard events and changes in municipal priorities. The four FEMA mitigation action categories and the six CRS mitigation action categories are listed in the Table 9.10-12 to further demonstrate the wide-range of activities and mitigation measures selected.

As discussed in Section 6, 14 evaluation/prioritization criteria are used to complete the prioritization of mitigation initiatives. For each new mitigation action, a numeric rank is assigned (-1, 0, or 1) for each of the 14 evaluation criteria to assist with prioritizing your actions as 'High,' 'Medium,' or 'Low.' The table below summarizes the evaluation of each mitigation initiative, listed by Action Number.

Table 9.10-13 provides a summary of the prioritization of all proposed mitigation initiatives for the Plan update.



Table 9.10-12. Proposed Hazard Mitigation Initiatives

Initiative	Mitigation Initiative	Applies to New and/or Existing Structures *	Hazard(s) Mitigated	Goals Met	Lead and Support Agencies	Estimated Benefits	Estimated Cost	Sources of Funding	Timeline	Priority	Mitigation Category	CRS Category
TGr-1	Review the Town's Flood Damage Prevention Ordinance, last updated in 2002, and update ordinance language to reflect current DFIRM dates and other practices. Consider adopting higher regulatory standards (e.g., greater freeboard, compensatory storage, and cumulative substantial damage/improvements).	New and Existing	Flood	All	Town Development Services, Town Technical Services	Medium	Low	Staff Time	Short-Term, then OG	Medium	LPR	PR
TGr-2	Develop an inventory or spreadsheet in which to track flood-damaged properties after severe storms. The inventory should include the type of property (residential, commercial, or industrial), whether a substantial damage estimate was conducted, and whether the property owner is interested in mitigation.	Existing	Flood, Severe Storm	1, 2, 3	Town Technical Services	Medium	Low	County, Municipal Budget, Staff Time	Short-Term, then OG	Medium	LPR	PR, PP
TGr-3	Evaluate the flood vulnerability of the Town police station and identify feasible mitigation actions to reduce risk to the 0.2 percent annual chance flood.	Existing	Flood	1, 3	FPA; Engineer	High	Low	General fund (staff time)	1 year	High	SIP	PP



Table 9.10-12. Proposed Hazard Mitigation Initiatives

Initiative	Mitigation Initiative	Applies to New and/or Existing Structures *	Hazard(s) Mitigated	Goals Met	Lead and Support Agencies	Estimated Benefits	Estimated Cost	Sources of Funding	Timeline	Priority	Mitigation Category	CRS Category
TGr-4	Public Safety Information Dissemination (Before Event) – Conduct education and outreach to residents and business owners to inform them if their properties are in known hazard areas, and actions they can take to protect their properties from hazards.	Existing	Earthquake, Extreme Temperatures, Flood, Infestation, Landslide, Severe Storms, Severe Winter Storms, Wildfire, HazMat, Utility Failure	1, 3, 4	Town Clerk	High	Low	Operating budget	OG	High	EAP	PI
TGr-5	Public Safety Information Dissemination (During and Post-Event) – Coordinate with Monroe County Emergency OPS PIO and disseminate information to the public via various forms of media.	N/A	All	1, 2, 3, 4	Town of Greece Police Department (included in Town Emergency Preparedness Plan)	High	Low	Staff Time	OG	High	EAP	PI
TGr-6	Develop a Mass Evacuation Plan for the Town.	N/A	All	2, 3, 4	Town Technical Services	High	Low/Medium	FEMA (HMGP, FMA, PDM), CDBG, NYS DHSES, County, Town	Short-Term	Medium	LPR	ES, PR
TGr-7	Evaluate the flood vulnerability of the town's communications tower and identify feasible mitigation actions to reduce risk to the 0.2 percent annual chance flood.	Existing	Flood	1, 3	FPA; Engineer	High	Low	General fund (staff time)	1 year	High	SIP	PP
TGr-8	Evaluate the flood vulnerability of the Lakeview Community Church and identify feasible mitigation actions to reduce risk to the 0.2 percent annual chance flood.	Existing	Flood	1, 3	FPA; Engineer	High	Low	General fund (staff time)	1 year	High	SIP	PP



**Notes:**

Not all acronyms and abbreviations defined below are included in the table.

\*Does this mitigation initiative reduce the effects of hazards on new and/or existing buildings and/or infrastructure? Not applicable (N/A) is inserted if this does not apply.

**Acronyms and Abbreviations:**

CAV	Community Assistance Visit
CRS	Community Rating System
DPW	Department of Public Works
FEMA	Federal Emergency Management Agency
FPA	Floodplain Administrator
HMA	Hazard Mitigation Assistance
N/A	Not applicable
NFIP	National Flood Insurance Program
NYS DHSES	New York State Division of Homeland Security and Emergency Services
OEM	Office of Emergency Management

**Potential FEMA HMA Funding Sources:**

FMA	Flood Mitigation Assistance Grant Program
HMGP	Hazard Mitigation Grant Program
PDM	Pre-Disaster Mitigation Grant Program
RFC	Repetitive Flood Claims Grant Program (discontinued)
SRL	Severe Repetitive Loss Grant Program (discontinued)

**Timeline:**

Short	1 to 5 years
Long Term	5 years or greater
OG	On-going program
DOF	Depending on funding

**Costs:**

Where actual project costs have been reasonably estimated:

Low	< \$10,000
Medium	\$10,000 to \$100,000
High	> \$100,000

Where actual project costs cannot reasonably be established at this time:

Low	Possible to fund under existing budget. Project is part of, or can be part of an existing on-going program.
Medium	Could budget for under existing work plan, but would require a reapportionment of the budget or a budget amendment, or the cost of the project would have to be spread over multiple years.
High	Would require an increase in revenue via an alternative source (i.e., bonds, grants, fee increases) to implement. Existing funding levels are not adequate to cover the costs of the proposed project.

**Benefits:**

Where possible, an estimate of project benefits (per FEMA's benefit calculation methodology) has been evaluated against the project costs, and is presented as:

Low=	< \$10,000
Medium	\$10,000 to \$100,000
High	> \$100,000

Where numerical project benefits cannot reasonably be established at this time:

Low	Long-term benefits of the project are difficult to quantify in the short term.
Medium	Project will have a long-term impact on the reduction of risk exposure to life and property, or project will provide an immediate reduction in the risk exposure to property.
High	Project will have an immediate impact on the reduction of risk exposure to life and property.

**Mitigation Category:**

- **Local Plans and Regulations (LPR)** – These actions include government authorities, policies or codes that influence the way land and buildings are being developed and built.
- **Structure and Infrastructure Project (SIP)**- These actions involve modifying existing structures and infrastructure to protect them from a hazard or remove them from a hazard area. This could apply to public or private structures as well as critical facilities and infrastructure. This type of action also involves projects to construct manmade structures to reduce the impact of hazards.
- **Natural Systems Protection (NSP)** – These are actions that minimize damage and losses, and also preserve or restore the functions of natural systems.
- **Education and Awareness Programs (EAP)** – These are actions to inform and educate citizens, elected officials, and property owners about hazards and potential ways to mitigate them. These actions may also include participation in national programs, such as StormReady and Firewise Communities

**CRS Category:**



- *Preventative Measures (PR)* - Government, administrative or regulatory actions, or processes that influence the way land and buildings are developed and built. Examples include planning and zoning, floodplain local laws, capital improvement programs, open space preservation, and storm water management regulations.
- *Property Protection (PP)* - These actions include public activities to reduce hazard losses or actions that involve (1) modification of existing buildings or structures to protect them from a hazard or (2) removal of the structures from the hazard area. Examples include acquisition, elevation, relocation, structural retrofits, storm shutters, and shatter-resistant glass.
- *Public Information (PI)* - Actions to inform and educate citizens, elected officials, and property owners about hazards and potential ways to mitigate them. Such actions include outreach projects, real estate disclosure, hazard information centers, and educational programs for school-age children and adults.
- *Natural Resource Protection (NR)* - Actions that minimize hazard loss and also preserve or restore the functions of natural systems. These actions include sediment and erosion control, stream corridor restoration, watershed management, forest and vegetation management, and wetland restoration and preservation.
- *Structural Flood Control Projects (SP)* - Actions that involve the structures built to reduce the impact of a hazard. Such structures include dams, setback levees, floodwalls, retaining walls, and safe rooms.
- *Emergency Services (ES)* - Actions that protect people and property during and immediately following a disaster or hazard event. Services include warning systems, emergency response services, and the protection of essential facilities



Table 9.10-13. Summary of Prioritization of Actions

Mitigation Action / Project Number	Mitigation Action/Initiative	Life Safety	Property Protection	Cost-Effectiveness	Technical	Political	Legal	Fiscal	Environmental	Social	Administrative	Multi-Hazard	Timeline	Agency Champion	Other Community	Total	High / Medium / Low
TGr-1	Review the Town's Flood Damage Prevention Ordinance, last updated in 2002, and update ordinance language to reflect current DFIRM dates and other practices. Consider adopting higher regulatory standards (e.g., greater freeboard, compensatory storage, and cumulative substantial damage / improvements).	1	1	1	0	1	1	0	1	1	-1	0	1	0	1	8	Medium
TGr-2	Develop an inventory or spreadsheet in which to track flood-damaged properties after severe storms. The inventory should include the type of property (residential, commercial, or industrial), whether a substantial damage estimate was conducted, and whether the property owner is interested in mitigation.	1	1	1	1	1	1	0	0	1	-1	1	1	0	1	9	Medium
TGr-3	Evaluate the flood vulnerability of the Town police station and identify feasible mitigation actions to reduce risk to the 0.2 percent annual chance flood.	1	1	1	0	1	1	0	1	1	1	0	1	0	1	10	High
TGr-4	Public Safety Information Dissemination (Before Event) – Conduct education and outreach to residents and business owners to inform them if their properties are in known hazard areas, and actions they can take to protect their properties from hazards.	1	1	1	1	1	1	1	0	1	-1	1	1	1	1	11	High



Table 9.10-13. Summary of Prioritization of Actions

Mitigation Action / Project Number	Mitigation Action/Initiative	Life Safety	Property Protection	Cost-Effectiveness	Technical	Political	Legal	Fiscal	Environmental	Social	Administrative	Multi-Hazard	Timeline	Agency Champion	Other Community	Total	High / Medium / Low
TGr-5	Public Safety Information Dissemination (During and Post-Event) – Coordinate with Monroe County Emergency OPS PIO and disseminate information to the public via various forms of media.	1	1	1	1	1	1	1	0	1	1	1	1	1	0	12	High
TGr-6	Develop a Mass Evacuation Plan for the Town.	1	0	1	1	1	1	-1	0	1	-1	1	1	1	1	8	Medium
TGr-7	Evaluate the flood vulnerability of the town's communications tower and identify feasible mitigation actions to reduce risk to the 0.2 percent annual chance flood.	1	1	1	0	1	1	0	1	1	1	0	1	0	1	10	High
TGr-8	Evaluate the flood vulnerability of the Lakeview Community Church and identify feasible mitigation actions to reduce risk to the 0.2 percent annual chance flood.	1	1	1	0	1	1	0	1	1	1	0	1	0	1	10	High

Note: Refer to Section 6 which contains the guidance on conducting the prioritization of mitigation actions.



### **9.10.7 Future Needs To Better Understand Risk/Vulnerability**

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None at this time.

### **9.10.8 Hazard Area Extent and Location**

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Hazard area extent and location maps have been generated for the Town of Greece that illustrate the probable areas impacted within the municipality. These maps are based on the best available data at the time of the preparation of this plan, and are considered to be adequate for planning purposes. Maps have only been generated for those hazards (i.e., landslide, wildfire, and flooding) that can be clearly identified using mapping techniques and technologies, and for which the Town of Greece has significant exposure. These maps are illustrated in the hazard profiles within Volume I, Section 5.4, of this Plan.

### **9.10.9 Additional Comments**

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None at this time.



Figure 9.10-1. Town of Greece Landslide and Wildfire Hazard Area Extent and Location

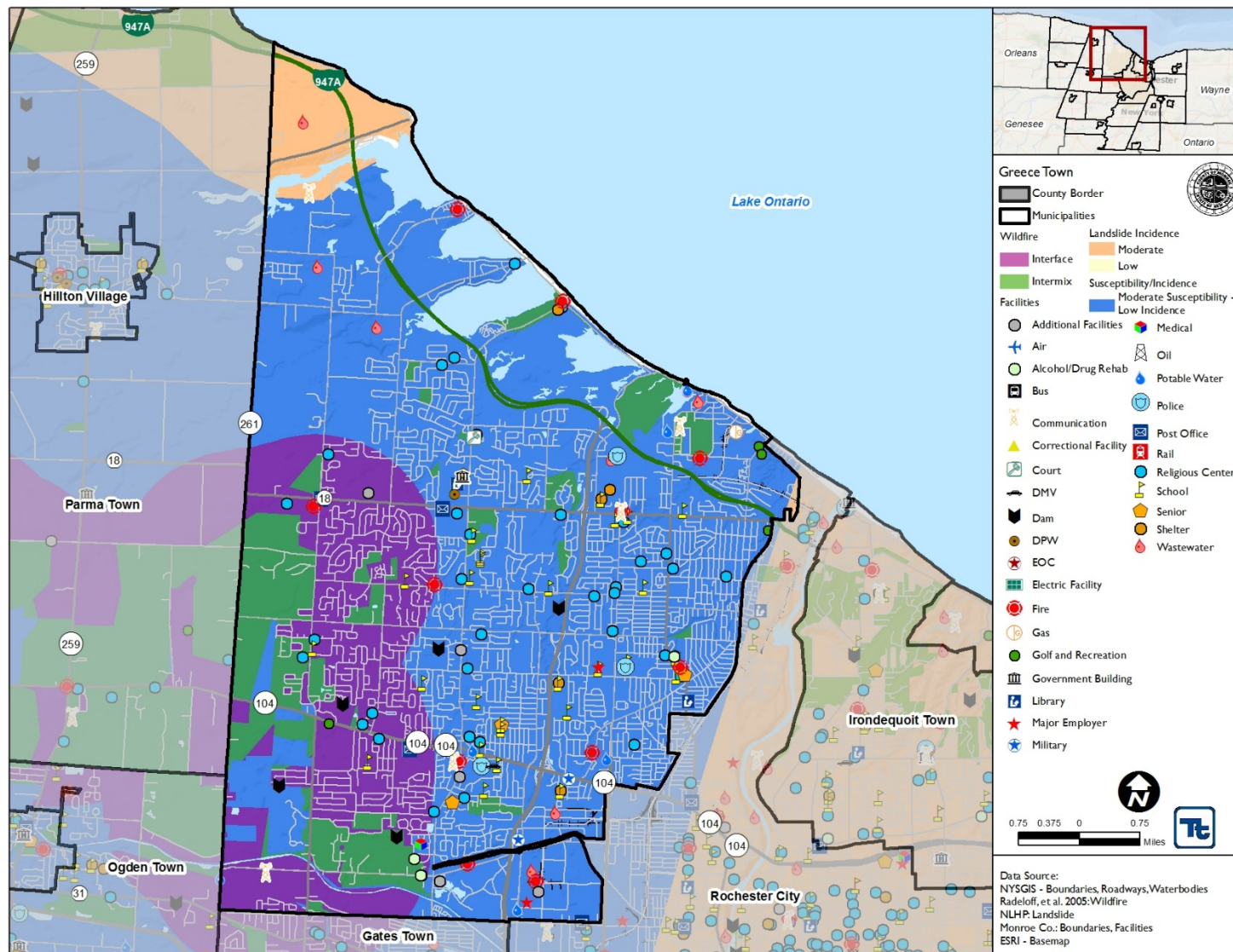
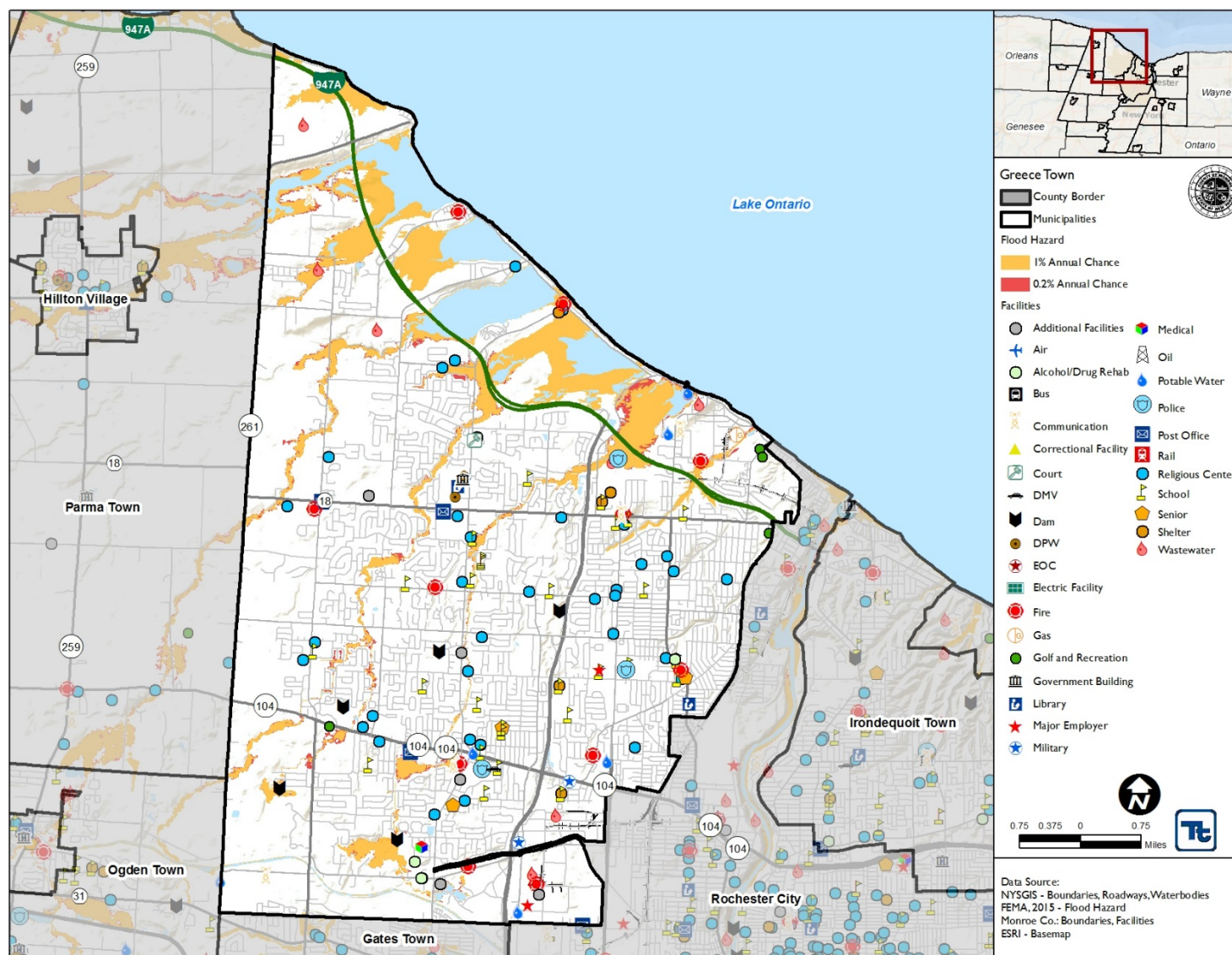






Figure 9.10-2. Town of Greece Hazard Area 1% and 0.2% Floodplain Map





<b>Name of Jurisdiction:</b>	Town of Greece
<b>Name and Title Completing Worksheet:</b>	
<b>Action Number:</b>	TGr-3
<b>Mitigation Action Name:</b>	Evaluate the flood vulnerability of the Town police station and identify feasible mitigation actions to reduce risk to the 0.2 percent annual chance flood.

Assessing the Risk	
<b>Hazard(s) addressed:</b>	Flooding
<b>Specific problem being mitigated:</b>	The Town police station is located in the floodplain and is subject to flood damages.
Evaluation of Potential Actions/Projects	
<b>Actions/Projects Considered (name of project and reason for not selecting):</b>	<ol style="list-style-type: none"><li>1. Do nothing (does not reduce flood loss)</li><li>2. Construct flood control structure to prevent flood losses (cost prohibitive)</li><li>3. Relocate structure (cost prohibitive)</li></ol>
Action/Project Intended for Implementation	
<b>Description of Selected Action/Project</b>	Evaluate the flood vulnerability of the Town police station and identify feasible mitigation actions to reduce risk to the 0.2 percent annual chance flood.
<b>Mitigation Action Type</b>	SIP
<b>Goals Met</b>	1, 3
<b>Applies to existing and or new development, or not applicable</b>	Existing
<b>Benefits (losses avoided)</b>	High (avoid/minimize flood losses)
<b>Estimated Cost</b>	Low
<b>Priority*</b>	High
Plan for Implementation	
<b>Responsible Organization</b>	Floodplain Administrator; Engineer
<b>Local Planning Mechanism</b>	Normal operations
<b>Potential Funding Sources</b>	General fund (staff time)
<b>Timeline for Completion</b>	1 year
Reporting on Progress	
<b>Date of Status Report/ Report of Progress</b>	Date: Progress on Action/Project:





Action Number:

TGr-3

Mitigation Action Name:

Evaluate the flood vulnerability of the Town police station and identify feasible mitigation actions to reduce risk to the 0.2 percent annual chance flood.

Criteria	Numeric Rank (-1, 0, 1)	Provide brief rationale for numeric rank when appropriate
Life Safety	1	
Property Protection	1	
Cost-Effectiveness	1	
Technical	0	
Political	1	
Legal	1	
Fiscal	0	
Environmental	1	
Social	1	
Administrative	1	
Multi-Hazard	0	
Timeline	1	
Agency Champion	0	
Other Community Objectives	1	
Total	10	
Priority	High	



<b>Name of Jurisdiction:</b>	Town of Greece, Police Department
<b>Name and Title Completing Worksheet:</b>	Deputy Chief Jason Helfer
<b>Action Number:</b>	TGr-5
<b>Mitigation Action Name:</b>	Public Safety Information Dissemination; during and post-event

Assessing the Risk	
<b>Hazard(s) addressed:</b>	Multiple
<b>Specific problem being mitigated:</b>	Risk to Life Safety and Property
Evaluation of Potential Actions/Projects	
<b>Actions/Projects Considered (name of project and reason for not selecting):</b>	1. Do nothing – vulnerability continues or worsens 2. Disseminate safety information – selected action
Action/Project Intended for Implementation	
<b>Description of Selected Action/Project</b>	Coordinate with Monroe County Emergency OPS PIO and disseminate information to the Public via various forms of media.
<b>Mitigation Action Type</b>	Education and Awareness Program (EAP)
<b>Goals Met</b>	1, 2, 3, 4
<b>Applies to existing and or new development, or not applicable</b>	Not Applicable
<b>Benefits (losses avoided)</b>	Avoid loss of life and property
<b>Estimated Cost</b>	No Cost
<b>Priority*</b>	High
Plan for Implementation	
<b>Responsible Organization</b>	Town of Greece Police Department
<b>Local Planning Mechanism</b>	The administration of this activity is included in the Town of Greece Emergency Preparedness Plan
<b>Potential Funding Sources</b>	Not applicable
<b>Timeline for Completion</b>	Current
Reporting on Progress	
<b>Date of Status Report/ Report of Progress</b>	Date:03/03/16 Progress on Action/Project: Complete

**Action Number:**

TGr-5

**Mitigation Action Name:**

Public Safety Information Dissemination; during &amp; post event

Criteria	Numeric Rank (-1, 0, 1)	Provide brief rationale for numeric rank when appropriate
Life Safety	1	Provides information to residents in which they can use to make informed choices
Property Protection	1	Provides information to residents in which they can use to make informed choices
Cost-Effectiveness	1	No cost to maintain or utilize; other than manpower
Technical	1	The GPD currently uses various forms of media to increase public awareness
Political	1	Property Protection and Life-Safety information is socially and politically acceptable and desirable.
Legal	1	The jurisdiction has the authority to implement such a program
Fiscal	1	No funding required
Environmental	0	Not applicable
Social	1	Information disseminated is applicable/useful to all persons in the Town of Greece
Administrative	1	The administration of this activity is part of the town's emergency preparedness plan
Multi-Hazard	1	Pertinent information can be tailored to mitigate a myriad of hazards.
Timeline	1	The administration of this activity is part of the town's emergency preparedness plan
Agency Champion	1	The Town of Greece Supervisor and the Chief of Police fully support this mitigation action
Other Community Objectives	0	Not applicable
Total	12	
Priority (High, Med, or Low)	High	



<b>Name of Jurisdiction:</b>	Town of Greece
<b>Name and Title Completing Worksheet:</b>	Deputy Chief Jason Helfer
<b>Action Number:</b>	TGr-6
<b>Mitigation Action Name:</b>	Mass Evacuation Plan

Assessing the Risk	
<b>Hazard(s) addressed:</b>	Hazards presenting life safety risk(s) to persons in within affected areas (All hazards)
<b>Specific problem being mitigated:</b>	Life Safety Risks
Evaluation of Potential Actions/Projects	
<b>Actions/Projects Considered (name of project and reason for not selecting):</b>	<ol style="list-style-type: none"><li>1. Do nothing – vulnerability continues; greater risk of loss of life or injuries</li><li>2. Develop informal mass evacuation plan – Not everyone will be familiar with procedures; still a significant life safety vulnerability</li><li>3. Develop written/formal mass evacuation plan – selected action</li></ol>
Action/Project Intended for Implementation	
<b>Description of Selected Action/Project</b>	Utilize Greece Central School District (GCSD) Busses to transport evacuees to Greece Central School District Buildings. Specific sites to be determined via considering areas directly affected by a hazard.
<b>Mitigation Action Type</b>	Local Plans and Regulations (LPR)
<b>Goals Met</b>	1, 2, 3
<b>Applies to existing and or new development, or not applicable</b>	Not Applicable
<b>Benefits (losses avoided)</b>	Mitigates loss of life, injuries, and exposures
<b>Estimated Cost</b>	Low/Medium
<b>Priority*</b>	High
Plan for Implementation	
<b>Responsible Organization</b>	Town of Greece Police Department
<b>Local Planning Mechanism</b>	The administration of this activity will be added to the Town of Greece Emergency Preparedness Plan
<b>Potential Funding Sources</b>	Federal and state grants, as available; County funding; Staff time/local budget
<b>Timeline for Completion</b>	A Memorandum of Agreement (MOA) will be made with the GCSD by the end of the 2015-2016 School Year
Reporting on Progress	
<b>Date of Status Report/ Report of Progress</b>	Date: 02/25/16 Progress on Action/Project: Working on obtaining an MOA with the GCSD

**Action Number:**

TGr-6

**Mitigation Action Name:**

Mass Evacuation Plan

Criteria	Numeric Rank (-1, 0, 1)	Provide brief rationale for numeric rank when appropriate
Life Safety	1	Removes persons from harm's way
Property Protection	-1	Protection of property is not the purpose of an evacuation plan
Cost-Effectiveness	1	Mutual aid
Technical	1	The action is technically feasible, and will meet the County goals
Political	1	Under most circumstances; would be voluntary for those able to make intelligent choices
Legal	1	The jurisdiction has authority to implement an evacuation program
Fiscal	1	The program would likely be at little to no cost to the Town of Greece
Environmental	-1	Evacuation has no foreseeable impact on the environment
Social	1	Evacuations can be accomplished in any part of town
Administrative	1	Yes; an evacuation plan will be added to the town's Emergency Preparedness Plan
Multi-Hazard	1	Evacuations can be utilized in many hazardous situations
Timeline	1	Yes; an evacuation plan will be added to the town's Emergency Preparedness Plan
Agency Champion	1	The Town Supervisor and Police Chief are advocates of the evacuation plan
Other Community Objectives	0	
Total	9	
Priority (High, Med, or Low)	High	



<b>Name of Jurisdiction:</b>	Town of Greece
<b>Name and Title Completing Worksheet:</b>	
<b>Action Number:</b>	TGr-7
<b>Mitigation Action Name:</b>	Evaluate the flood vulnerability of the town's communications tower and identify feasible mitigation actions to reduce risk to the 0.2 percent annual chance flood.

Assessing the Risk	
<b>Hazard(s) addressed:</b>	Flooding
<b>Specific problem being mitigated:</b>	The town's communications tower is located in the floodplain and is subject to flood damages.
Evaluation of Potential Actions/Projects	
<b>Actions/Projects Considered (name of project and reason for not selecting):</b>	<ol style="list-style-type: none"><li>1. Do nothing (does not reduce flood loss)</li><li>2. Construct flood control structure to prevent flood losses (cost prohibitive)</li><li>3. Relocate structure (cost prohibitive)</li></ol>
Action/Project Intended for Implementation	
<b>Description of Selected Action/Project</b>	Evaluate the flood vulnerability of the town's communications tower and identify feasible mitigation actions to reduce risk to the 0.2 percent annual chance flood.
<b>Mitigation Action Type</b>	SIP
<b>Goals Met</b>	1, 3
<b>Applies to existing and or new development, or not applicable</b>	Existing
<b>Benefits (losses avoided)</b>	High (avoid/minimize flood losses)
<b>Estimated Cost</b>	Low
<b>Priority*</b>	High
Plan for Implementation	
<b>Responsible Organization</b>	Floodplain Administrator; Engineer
<b>Local Planning Mechanism</b>	Normal operations
<b>Potential Funding Sources</b>	General fund (staff time)
<b>Timeline for Completion</b>	1 year
Reporting on Progress	
<b>Date of Status Report/ Report of Progress</b>	Date: Progress on Action/Project:



Action Number:

TGr-7

Mitigation Action Name:

Evaluate the flood vulnerability of the town's communications tower and identify feasible mitigation actions to reduce risk to the 0.2 percent annual chance flood.

Criteria	Numeric Rank (-1, 0, 1)	Provide brief rationale for numeric rank when appropriate
Life Safety	1	
Property Protection	1	
Cost-Effectiveness	1	
Technical	0	
Political	1	
Legal	1	
Fiscal	0	
Environmental	1	
Social	1	
Administrative	1	
Multi-Hazard	0	
Timeline	1	
Agency Champion	0	
Other Community Objectives	1	
Total	10	
Priority	High	



<b>Name of Jurisdiction:</b>	Town of Greece
<b>Name and Title Completing Worksheet:</b>	
<b>Action Number:</b>	TGr-8
<b>Mitigation Action Name:</b>	Evaluate the flood vulnerability of the Lakeview Community Church and identify feasible mitigation actions to reduce risk to the 0.2 percent annual chance flood.

Assessing the Risk	
<b>Hazard(s) addressed:</b>	Flooding
<b>Specific problem being mitigated:</b>	The Lakeview Community Church is located in the floodplain and is subject to flood damages.
Evaluation of Potential Actions/Projects	
<b>Actions/Projects Considered (name of project and reason for not selecting):</b>	<ol style="list-style-type: none"><li>1. Do nothing (does not reduce flood loss)</li><li>2. Construct flood control structure to prevent flood losses (cost prohibitive)</li><li>3. Relocate structure (cost prohibitive)</li></ol>
Action/Project Intended for Implementation	
<b>Description of Selected Action/Project</b>	Evaluate the flood vulnerability of the Lakeview Community Church and identify feasible mitigation actions to reduce risk to the 0.2 percent annual chance flood.
<b>Mitigation Action Type</b>	SIP
<b>Goals Met</b>	1, 3
<b>Applies to existing and or new development, or not applicable</b>	Existing
<b>Benefits (losses avoided)</b>	High (avoid/minimize flood losses)
<b>Estimated Cost</b>	Low
<b>Priority*</b>	High
Plan for Implementation	
<b>Responsible Organization</b>	Floodplain Administrator; Engineer
<b>Local Planning Mechanism</b>	Normal operations
<b>Potential Funding Sources</b>	General fund (staff time)
<b>Timeline for Completion</b>	1 year
Reporting on Progress	
<b>Date of Status Report/ Report of Progress</b>	Date: Progress on Action/Project:





Action Number:

TGr-8

Mitigation Action Name:

Evaluate the flood vulnerability of the Lakeview Community Church and identify feasible mitigation actions to reduce risk to the 0.2 percent annual chance flood.

Criteria	Numeric Rank (-1, 0, 1)	Provide brief rationale for numeric rank when appropriate
Life Safety	1	
Property Protection	1	
Cost-Effectiveness	1	
Technical	0	
Political	1	
Legal	1	
Fiscal	0	
Environmental	1	
Social	1	
Administrative	1	
Multi-Hazard	0	
Timeline	1	
Agency Champion	0	
Other Community Objectives	1	
Total	10	
Priority	High	